

†						
	MASTER [3:0]					IZE [3:0]
:0]	MASTER					BLOCK SIZE [3:0]
BUS DATA [7:0] -		9:31]	0:22]	:13]	2:4]	
— BUS [:	ADDRESS [39:31]	ADDRESS [30:22]	ADDRESS [2]:13]	ADDRESS [12:4]	
	[12:4]	ADDR	ADDR	ADDR	ADD	[0]
	ACCESS TYPE [12:4]					ADDRESS [3:0]
+	ACCES					ΦOΡ
BUS Ct1 ←						0
	0		7	, M	4	Ŋ
CYCLE #	 (>				

FIGURE 1 (Prior Art)

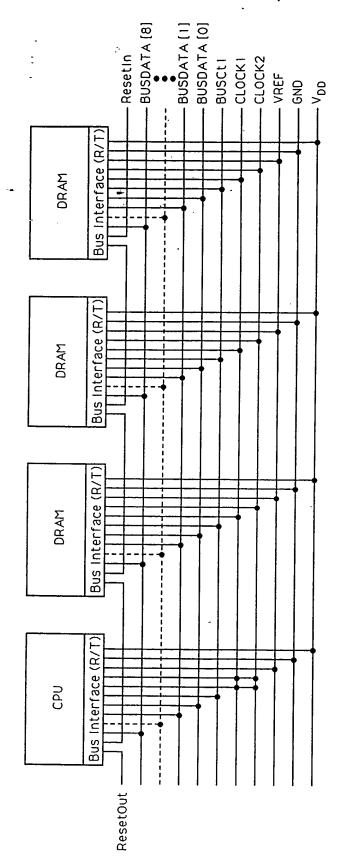


FIGURE 2

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9	
$\stackrel{\smile}{=}$	
ட	

					•		
							[1:0]
-			-		i,		COUNT [1:0] ADDRESS [1:0]
						RSRV	lΤ [1:0]
[o.a]	[0.0]	[9:2]	[17:10]	[26:18]	[35:27]		
(סיפ) אדארו אווא	ξ ζ	ADDRESS [9:2]	ADDRESS [17:10]	ADDRESS [26:18]	ADDRESS [35:27]	COUNT [6,4,2]	COUNT [7,5,3]
ä		PΓ	AC	AC	AC	COUNT	COUNT
						RSRV	RSRV
	,	0P[0]	0P[3]			RS	R
ין ניט		START	1 OP[1]	RSRV	0P[2]	RSRV	RSRV
		0		7	М	4	S
BUS CYCLE	- 1	 1	-				

t-	_				<u>.</u>	ŭ	55 [1:0]
						RSRV	COUNT [1:0] ADDRESS [1:0]
							IT [1:0]
	[8:0]	[9:2]	[17:10]	[26:18]	[35:27]		noo
	BUS DATA [8:0]_	Address [9:2]	ADDRESS [17:10]	ADDRESS [26:18]	ADDRESS [35:27]	COUNT [6,4,2]	COUNT [7,5,3]
	——BU	AE	AC	AD	AD	COUNT	COUNT
						MASTER	MASTER
	•	[0]d0	[£]d0	٠		МΑ	ΜA
	BUS Ct1 ▲	START 0P[0]	.0P[1]	C/D	0P[2]	_Q/D	RSRV
BUS	#	0.	-	2	М	4	2

FIGURE 4

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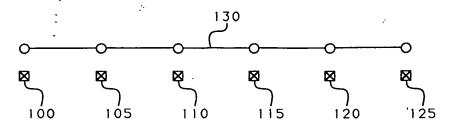


FIGURE 5a

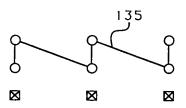


FIGURE 5b

Adr[1:0]	Mask[3:0]
00	1111
01	1110
10	1100
11	1000

FIGURE 6a

Count[1:0]	Mask[7:4]
00	0001
01	0011
10 :	0111
11	1111

FIGURE 6b



One Byte Transfer (MasterCount[7:0] = 00000000)

Count[7:2]	Count[1:0]	Adr[1:0]	Mask[7:4]	Mask[3:0]	Mask[7:4] and Mask[3:0]
00000000	00	00 .	0001	1111	0001
00000000	01	01	0011	1110	0010
00000000	10	10	0111	1100	0100
00000000	11	11	1111	1000	1000

FIGURE 7a

Two Byte Transfer (MasterCount[7:0] = 00000001)

Count[7:2]	Count[1:0]	Adr[1:0]	Mask[7:4]	Mask[3:0]	Mask[7:4] and Mask[3:0]
00000000	01	00	0011	1111	0011
00000000	10	01	0111	1110	0110
00000000	11	10	1111	1100	1100
00000001	0	11	0001	1000	not used - two QB's ,

FIGURE 7b

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Four Byte Transfer (MasterCount[7:0] = 00000011)

Gount[7:2]	Count[1:0]	Adr[1:0]	Mask[7:4]	Mask[3:0]	Mask[7:4] and Mask[3:0]
00000000	11	00	1111	1111	1111
00000001	00	01	0001	1110	not used - two QB's
00000001	01	10	0011	1100	not used - two QB's
00000001	10	11	0111	1000	not used - two QB's

FIGURE 7c

Eight Byte Transfer (MasterCount[7:0] = 00000111)

				30460	
Count[7:2]	Count[1:0]	Adr[1:0]	Mask[7:4}	Mask[3:0]	Mask[7:4] and Mask[3:0]
00000001	11	00	1111	1111	not used - two QB's
00000010	00	01 ·	0001	1110	not used - three QB's
00000010	01	10	0011	1100	not used - three QB's
00000010	10	11 .	0111	1000	not used - three QB'

FIGURE 7d